L Number	Hits	Search Text	DB	Time stamp
4	15	hypervisor same (map$4 translat$3 modif$7) same virtual$3 same physical same address$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 09:54
5	31	((partition$3 near4 manag$5) ((operating adj system) near4 master) hypervisor) same (map$4 translat$3 modif$7) same virtual$3 same physical same address$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 10:22
7	47	(((map$4 assign$3 associat$3) same (resource hardware physical i/o page frame memor$3 device storage) same (process logical$2 virtual) same (partition$3 divid$3) same address$3 same (noncontiguous$2 non-contiguous$2 nonconsecutive$2 non-consecutive$2 disjoin$3 dis-join$3))) and (translat$3 address$3 partition$3 logical$2 (operat$3 adj2 system) virtual page frame real non-contiguous$2 noncontiguous$2 discontiguous$2 dis-contiguous$2 request$3 allocat$3 access$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 11:40
8	45	((((map$4 assign$3 associat$3) same (resource hardware physical i/o page frame memor$3 device storage) same (process logical$2 virtual) same (partition$3 divid$3) same address$3 same (noncontiguous$2 non-contiguous$2 nonconsecutive$2 non-consecutive$2 disjoin$3 dis-join$3))) and (translat$3 address$3 partition$3 logical$2 (operat$3 adj2 system) virtual page frame real non-contiguous$2 noncontiguous$2 discontiguous$2 dis-contiguous$2 request$3 allocat$3 access$3)) not (((partition$3 near4 manag$5) ((operating adj system) near4 master) hypervisor) same (map$4 translat$3 modif$7) same virtual$3 same physical same address$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 11:40
9	45	(((((map$4 assign$3 associat$3) same (resource hardware physical i/o page frame memor$3 device storage) same (process logical$2 virtual) same (partition$3 divid$3) same address$3 same (noncontiguous$2 non-contiguous$2 nonconsecutive$2 non-consecutive$2 disjoin$3 dis-join$3))) and (translat$3 address$3 partition$3 logical$2 (operat$3 adj2 system) virtual page frame real non-contiguous$2 noncontiguous$2 discontiguous$2 dis-contiguous$2 request$3 allocat$3 access$3)) not (((partition$3 near4 manag$5) ((operating adj system) near4 master) hypervisor) same (map$4 translat$3 modif$7) same virtual$3 same physical same address$3)) not (hypervisor same (map$4 translat$3 modif$7) same virtual$3 same physical same address$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 11:41
-	941	(((resource near4 manag$5) (resource near4 allocat$3) (resource near4 partition$4))) and ((soft logical$4 software) near4 partition$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 09:47
-	167	((((resource near4 manag$5) (resource near4 allocat$3) (resource near4 partition$4))) and ((soft logical$4 software) near4 partition$4)) and ((address$3 near4 translat$3) and table and (os o/s (operating adj2 system)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 09:49
-	34	(((((resource near4 manag$5) (resource near4 allocat$3) (resource near4 partition$4))) and ((soft logical$4 software) near4 partition$4)) and ((address$3 near4 translat$3) and table and (os o/s (operating adj2 system)))) and ((modif$5 chang$3 edit$3 updat$3) same (address$3 near3 translat$3) same (access$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/22 14:52
-	32	((((((resource near4 manag$5) (resource near4 allocat$3) (resource near4 partition$4))) and ((soft logical$4 software) near4 partition$4)) and ((address$3 near4 translat$3) and table and (os o/s (operating adj2 system)))) and ((modif$5 chang$3 edit$3 updat$3) same (address$3 near3 translat$3) same (access$5))) and (((physical near4 resource) i/o memory) same (allocat$3 reserv$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/23 08:54

-	49	(((((((resource i/o memory) near4 manag$5) ((resource i/o memory) near4 allocat$3) ((resource i/o memory) near4 partition$4))) and ((soft logical$4 software user) near4 partition$4)) and ((address$3 near4 translat$3) and table and (os o/s (operating adj2 system)))) and ((modif$5 chang$3 edit$3 updat$3) same (address$3 near3 translat$3) same (access$5))) and ((((physical hardware) near4 resource) i/o memory) same (allocat$3 reserv$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/23 09:37
-	17	((((((((resource i/o memory) near4 manag$5) ((resource i/o memory) near4 allocat$3) ((resource i/o memory) near4 partition$4))) and ((soft logical$4 software user) near4 partition$4)) and ((address$3 near4 translat$3) and table and (os o/s (operating adj2 system)))) and ((modif$5 chang$3 edit$3 updat$3) same (address$3 near3 translat$3) same (access$5))) and ((((physical hardware) near4 resource) i/o memory) same (allocat$3 reserv$5))) not (((((((resource near4 manag$5) (resource near4 allocat$3) (resource near4 partition$4))) and ((soft logical$4 software) near4 partition$4)) and ((address$3 near4 translat$3) and table and (os o/s (operating adj2 system)))) and ((modif$5 chang$3 edit$3 updat$3) same (address$3 near3 translat$3) same (access$5))) and (((physical near4 resource) i/o memory) same (allocat$3 reserv$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/23 08:59
-	32	((((((((resource i/o memory) near4 manag$5) ((resource i/o memory) near4 allocat$3) ((resource i/o memory) near4 partition$4))) and ((soft logical$4 software user) near4 partition$4)) and ((address$3 near4 translat$3) and table and (os o/s (operating adj2 system)))) and ((modif$5 chang$3 edit$3 updat$3) same (address$3 near3 translat$3) same (access$5))) and ((((physical hardware) near4 resource) i/o memory) same (allocat$3 reserv$5))) not (((((((((resource i/o memory) near4 manag$5) ((resource i/o memory) near4 allocat$3) ((resource i/o memory) near4 partition$4))) and ((soft logical$4 software user) near4 partition$4)) and ((address$3 near4 translat$3) and table and (os o/s (operating adj2 system)))) and ((modif$5 chang$3 edit$3 updat$3) same (address$3 near3 translat$3) same (access$5))) and ((((physical hardware) near4 resource) i/o memory) same (allocat$3 reserv$5))) not (((((((resource near4 manag$5) (resource near4 allocat$3) (resource near4 partition$4))) and ((soft logical$4 software) near4 partition$4)) and ((address$3 near4 translat$3) and table and (os o/s (operating adj2 system)))) and ((modif$5 chang$3 edit$3 updat$3) same (address$3 near3 translat$3) same (access$5))) and (((physical near4 resource) i/o memory) same (allocat$3 reserv$5))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/23 10:41
-	181	((map$4 same (resource hardware physical i/o cpu processor memory) same logical$2 same partition$3 same address$3) and (os (operating adj2 system)) and (allocat$3 reserv$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/23 13:32
-	98	((map$4 same (resource hardware physical i/o cpu processor memory) same logical$2 same partition$3 same address$3 same access$5) and (os (operating adj2 system)) and (allocat$3 reserv$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/23 13:34
-	42	(((map$4 same (resource hardware physical i/o cpu processor memory) same logical$2 same partition$3 same address$3 same access$5) and (os (operating adj2 system)) and (allocat$3 reserv$5))) and (((request$3 access$5) near5 (den$3 refus$3 grant$3 permi$5 allow$3 authori$6 error$3 exception)) and table and translat$3 and address$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 10:56
-	350	((map$4 assign$3) same (resource hardware physical i/o cpu processor page frame memory) same (process logical$2 virtual) same partition$3 same address$3 same (noncontiguous non-contiguous pattern specific differen$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 11:02
-	24	((map$4 assign$3 associat$3) same (resource hardware physical i/o cpu processor page frame memory) same (process logical$2 virtual) same partition$3 same address$3 same (noncontiguous non-contiguous differen$2) same translat$3 same (allocat$3 reserv$6))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 11:05

-	52	((map$4 assign$3 associat$3) same (resource hardware physical i/o cpu processor page frame memory) same (process logical$2 virtual) same partition$3 same address$3 same (rang$3 noncontiguous non-contiguous pattern specific differen$2) same translat$3 same (allocat$3 reserv$6))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/21 11:24
-	45	(((map$4 assign$3 associat$3) same (resource hardware physical i/o page frame memor$3 device storage) same (process logical$2 virtual) same (partition$3 divid$3) same address$3 same (noncontiguous$2 non-contiguous$2 nonconsecutive$2 non-consecutive$2 disjoin$3 dis-join$3))) and (translat$3 address$3 partition$3 logical$2 (operat$3 adj2 system) virtual page frame real non-contiguous$2 noncontiguous$2 discontiguous$2 dis-contiguous$2 request$3 allocat$3 access$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/22 11:39
-	116	(logical$2) with (operating adj system) with (control$4 manag$4) with partition$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 15:38
-	2	((logical$2) with (operating adj system) with (control$4 manag$4) with partition$3) same ((map$4 associat$3) with virtual with (address$3) with (logical$2 partition$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 15:41
-	7	((logical$2) with (operating adj system) with (control$4 manag$4) with partition$3) and ((map$4 associat$3) with virtual with (address$3) with (logical$2 partition$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 15:46
-	5	(((logical$2) with (operating adj system) with (control$4 manag$4) with partition$3) and ((map$4 associat$3) with virtual with (address$3) with (logical$2 partition$3))) not (((logical$2) with (operating adj system) with (control$4 manag$4) with partition$3) same ((map$4 associat$3) with virtual with (address$3) with (logical$2 partition$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 15:42
-	6	((logical$2 (operating adj system)) with (control$4 manag$4) with partition$3) same ((map$4 associat$3) with virtual with (address$3) with (logical$2 partition$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 15:47
-	20	((logical$2 (operating adj system)) with (control$4 manag$4) with partition$3) and ((map$4 associat$3) with virtual with (address$3) with (logical$2 partition$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 16:36
-	13	(((logical$2 (operating adj system)) with (control$4 manag$4) with partition$3) and ((map$4 associat$3) with virtual with (address$3) with (logical$2 partition$3))) not (((logical$2) with (operating adj system) with (control$4 manag$4) with partition$3) same ((map$4 associat$3) with virtual with (address$3) with (logical$2 partition$3))) not (((logical$2) with (operating adj system) with (control$4 manag$4) with partition$3) and ((map$4 associat$3) with virtual with (address$3) with (logical$2 partition$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 15:47
-	78	(logical$2 with (partition$3 divid$3) with (operating adj system)) same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 16:55
-	117	(logical$2 with (partition$3 divid$3) with (operating adj system)) and ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 17:22

-	39	((logical$2 with (partition$3 divid$3) with (operating adj system)) and ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))) not ((logical$2 with (partition$3 divid$3) with (operating adj system)) same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 16:56
-	146	partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 17:24
-	567	(partition$3 memor$3 address$3) same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 17:41
-	36	(partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))) not ((logical$2 with (partition$3 divid$3) with (operating adj system)) and ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 16:39
-	455	((partition$3 memor$3 address$3) same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))) not ((logical$2 with (partition$3 divid$3) with (operating adj system)) and ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/20 17:42
-	419	(((partition$3 memor$3 address$3) same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))) not ((logical$2 with (partition$3 divid$3) with (operating adj system)) and ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))) not (partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 08:53
-	422	(((partition$3 memor$3 address$3) same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))) not ((logical$2 with (partition$3 divid$3) with (operating adj system)) and ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))) not (partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 08:54
-	125	((((partition$3 memor$3 address$3) same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))) not ((logical$2 with (partition$3 divid$3) with (operating adj system)) and ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))) not (partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))) and (((allocat$3 access$7) with (memor$3 resource)) same ((map$4 translat$3 associat$3) with (address$3 memor$3 resource)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 08:58

-	69	((((partition$3 memor$3 address$3) same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))) not ((logical$2 with (partition$3 divid$3) with (operating adj system)) and ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))) not (partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))) and (((allocat$3 access$7) with (memor$3 resource)) same ((map$4 translat$3 associat$3) with (address$3 virtual physical logical$2 partition$3)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 09:09
-	0	(partition$3 same (virtual$3 near3 address$3) same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5))) not ((logical$2 with (partition$3 divid$3) with (operating adj system)) and ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 16:41
-	0	(partition$3 same (virtual$3 with address$3) same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 16:41
-	149	(partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 16:42
-	2	((partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))) and (hypervisor same (virtual$3 with (address$3 page memor$3) with (map$4 translat$3) with (real physical$3) with (memor$3 address$3 page)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 16:46
-	18	((partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))) and (hypervisor and (virtual$3 with (address$3 page memor$3) with (map$4 translat$3) with (real physical$3) with (memor$3 address$3 page)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 16:46
-	16	(((partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))) and (hypervisor and (virtual$3 with (address$3 page memor$3) with (map$4 translat$3) with (real physical$3) with (memor$3 address$3 page)))) not (((partition$3 same ((run$4 execut$3) with (operating adj system) with (multiple plurality many) with (active$2 concurrent$2 simultaneous$2 parallel$5)))) and (hypervisor same (virtual$3 with (address$3 page memor$3) with (map$4 translat$3) with (real physical$3) with (memor$3 address$3 page))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/21 16:46

45 A case for user-level dynamic page migration
Dimitrios S. Nikolopoulos, Theodore S. Papatheodorou, Constantine D. Polychronopoulos, Jesús Labarta, Eduard Ay(
May 2000 **Proceedings of the 14th international conference on Supercomputing**
Full text available: pdf(1.33 MB) Additional Info

This paper presents user-level dynamic page migration, a runtime technique which transparently enables paralle
exploits the iterative nature of parallel programs and information available to the program both at compile time .

46 Multigrain shared memory
Donald Yeung, John Kubiatowicz, Anant Agarwal
May 2000 **ACM Transactions on Computer Systems (TOCS)**, Volume 18 Issue 2
Full text available: pdf(369.18 KB) Additional Info

Parallel workstations, each comprising tens of processors based on shared memory, promise cost-effective scala
larger shared-memory systems. We call these systems Distributed Shared-memory MultiProcessors (DSMPs). Th

Keywords: distributed memory, symmetric multiprocessors, system of systems

47 Piranha: a scalable architecture based on single-chip multiprocessing
Luiz André Barroso, Kourosh Gharachorloo, Robert McNamara, Andreas Nowatzyk, Shaz Qadeer, Barton Sano, Scott
May 2000 **ACM SIGARCH Computer Architecture News , Proceedings of the 27th annu**
Full text available: pdf(191.10 KB) Additional Info

The microprocessor industry is currently struggling with higher development costs and longer design times that a
applications, such as on-line transaction processing (OLTP), which suffer from large memory stall times and exhi

48 Session summaries from the 17th symposium on operating systems principle (SOSP'99)
Jay Lepreau, Eric Eide
April 2000 **ACM SIGOPS Operating Systems Review**, Volume 34 Issue 2
Full text available: pdf(3.15 MB) Additional Information: full citation, index terms

49 System-level power optimization: techniques and tools
Luca Benini, Giovanni de Micheli
April 2000 **ACM Transactions on Design Automation of Electronic Systems (TODAES)**,
Full text available: pdf(335.22 KB) Additional Info

This tutorial surveys design methods for energy-efficient system-level design. We consider electronic sytems cor
units, and we review methods of reducing their energy consumption. We also study models for analyzing the ene

50 Borrowed-virtual-time (BVT) scheduling: supporting latency-sensitive threads in a general-purpose schedu
Kenneth J. Duda, David R. Cheriton
December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth .**
Full text available: pdf(1.81 MB) Additional Info

Systems need to run a larger and more diverse set of applications, from real-time to interactive to batch, on uni
applicability to general-purpose systems.In this paper, we present *Borrowed-Virtual-Time (BVT) Scheduling,* sho

51 Cellular Disco. resource management using virtual clusters on shared-memory multiprocessors
Kinshuk Govil, Dan Teodosiu, Yongqiang Huang, Mendel Rosenblum
December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth .**
Full text available: pdf(1.93 MB) Additional Info

Terms used
partition paragraph virtual near/5 address paragraph run or **execute near/5 operating near/2 system near/5 multiple** or **plur**

Sort results by relevance
Display results expanded form

Save results to a Binder
Search Tips
Open results in a new window

Try
Try

Results 1 - 20 of 200
Best 200 shown

Result page: **1** 2 3 4 5 6 7 8 9 10 next

1 Distributed operating systems
Andrew S. Tanenbaum, Robbert Van Renesse
December 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 4
Full text available: pdf(5.49 MB) Additional Information: full citation, abstract, references, citings, ir

Distributed operating systems have many aspects in common with centralized ones, but they also differ in certai
distributed operating systems, and especially to current university research about them. After a discussion of wh
distinguished from a computer network, various key design issues are discussed. Then several examples of curre

2 Compiling nested data-parallel programs for shared-memory multiprocessors
Siddhartha Chatterjee
July 1993 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 15 Issue 3
Full text available: pdf(4.17 MB) Additional Information: full citation, references, citings, index terms, review

Keywords: compilers, data parallelism, shared-memory multiprocessors

3 Experience Using Multiprocessor Systems—A Status Report
Anita K. Jones, Peter Schwarz
June 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 2
Full text available: pdf(4.48 MB) Additional Information: full citation, references, citings, index terms

4 Third Generation Computer Systems
Peter J. Denning
December 1971 **ACM Computing Surveys (CSUR)**, Volume 3 Issue 4
Full text available: pdf(3.52 MB) Additional Information: full citation, abstract, references, citings, ir

The common features of third generation operating systems are surveyed from a general view, with emphasis or
for a "theory" of operating systems. Properties of specific systems are not discussed except where examples are
stressed, the nontechnical aspects mentioned only briefly. A perfunctory knowledge of third generation systems

5 Parallel logic simulation of VLSI systems

Mary L. Bailey, Jack V. Briner, Roger D. Chamberlain
September 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 3

Full text available: pdf(3.74 MB) Additional Information: full citation, abstract, references, citings, ir

Fast, efficient logic simulators are an essential tool in modern VLSI system design. Logic simulation is used exte VLSI systems grow in size, the execution time required by simulation is becoming more and more significant. Fa impact, speeding time to market while ensuring more thorough system design testing. One approach to this prol

Keywords: circuit structure, parallel architecture, parallelism, partitioning, synchronization algorithm, timing gr

6 External memory algorithms and data structures: dealing with **massive data**

Jeffrey Scott Vitter
June 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 2

Full text available: pdf(828.46 KB) Additional Information: full citation, abstract, references, citings, ir

Data sets in large applications are often too massive to fit completely inside the computers internal memory. Th fast internal memory and slower external memory (such as disks) can be a major performance bottleneck. In thi analysis of external memory (or EM) algorithms and data structures, where the goal is to exploit locality in order

Keywords: B-tree, I/O, batched, block, disk, dynamic, extendible hashing, external memory, hierarchical mem online, out-of-core, secondary storage, sorting

7 A structural view of the Cedar programming environment

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann
August 1986 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 8 Issue 4

Full text available: pdf(6.32 MB) Additional Information: full citation, abstract, references, citings, ir

This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that organized. Cedar supports the development of programs written in a single programming language, also called C programmers whose activities include experimental programming and the development of prototype software sy

8 The NYU Ultracomputer—designing a MIMD, shared-memory parallel machine (Extended Abstract)

Allan Gottlieb, Ralph Grishman, Clyde P. Kruskal, Kevin P. McAuliffe, Larry Rudolph, Marc Snir
April 1982 **Proceedings of the 9th annual symposium on Computer Architecture**

Full text available: pdf(1.36 MB) Additional Information: full citation, abstract, references, citings, ir

We present the design for the NYU Ultracomputer, a shared-memory MIMD parallel machine composed of thous an enhanced message switching network with the geometry of an Omega-network to approximate the ideal beh to implement efficiently the important fetch-and-add synchronization primitive. We outline the hardware that wo 1990' ...

9 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborati**

Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index ten

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagr execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of and do not provide the user with the desired overview of the application. In our experience, such tools display re

10 Technical reports

SIGACT News Staff
January 1980 **ACM SIGACT News**, Volume 12 Issue 1

Full text available: pdf(5.28 MB) Additional Information: full citation

11 Parallel execution of prolog programs: a survey
Gopal Gupta, Enrico Pontelli, Khayri A.M. Ali, Mats Carlsson, Manuel V. Hermenegildo
July 2001 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 23 Issue 4

Full text available: pdf(1.95 MB) Additional Information: full citation, abstract, references, citings, ir

Since the early days of logic programming, researchers in the field realized the potential for exploitation of paral high-level nature, the presence of nondeterminism, and their referential transparency, among other characterist obtaining speedups through parallel execution. At the same time, the fact that the typical applications of logic pr

Keywords: Automatic parallelization, constraint programming, logic programming, parallelism, prolog

12 On randomization in sequential and distributed algorithms
Rajiv Gupta, Scott A. Smolka, Shaji Bhaskar
March 1994 **ACM Computing Surveys (CSUR)**, Volume 26 Issue 1

Full text available: pdf(8.01 MB) Additional Information: full citation, abstract, references, citings, ir

Probabilistic, or randomized, algorithms are fast becoming as commonplace as conventional deterministic algorit widely used in the design of randomized algorithms. These techniques are illustrated using 12 randomized algori range of applications, including:primality testing (a classical problem in number theory), interactive probabilistic

Keywords: Byzantine agreement, CSP, analysis of algorithms, computational complexity, dining philosophers pı interactive probabilistic proof systems, leader election, message routing, nearest-neighbors problem, perfect has or probabilistic algorithms, randomized quicksort, sequential algorithms, transitive tournaments, universal hashi

13 Highly available systems for database applications
Won Kim
March 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 1

Full text available: pdf(2.43 MB) Additional Information: full citation, abstract, references, citings, ir

As users entrust more and more of their applications to computer systems, the need for systems that are contin greater. This paper presents a survey and analysis of representative architectures and techniques that have bee database applications. It then proposes a design of a distributed software subsystem that can serve as a unified

14 The NYU ultracomputer—designing a MIMD, shared-memory parallel machine
Allan Gottlieb, Ralph Grishman, Clyde P. Kruskal, Kevin P. McAuliffe, Larry Rudolph, Marc Snir
August 1998 **25 years of the international symposia on Computer architecture (selected papers)**

Full text available: pdf(1.74 MB) Additional Information: full citation, references, index terms

15 Design and evaluation of a conit-based continuous consistency model for replicated services
Haifeng Yu, Amin Vahdat
August 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 3

Full text available: pdf(406.85 KB) Additional Information: full citation, abstract, references, citings, ir

The tradeoffs between consistency, performance, and availability are well understood. Traditionally, however, de from either strong consistency guarantees or none at all. This paper explores the semantic space between tradit services. We argue that an important class of applications can tolerate relaxed consistency, but benefit from bou

PORTAL
US Patent & Trademark Office

Subscribe (Full Service) Register (Limited Service, Free) Login

Search: The ACM Digital Library The Guide

((partition <paragraph> ((run or execute) <near/5> (operatin

THE ACM DIGITAL LIBRARY

Terms used
partition paragraph run or **execute near/5 operating near/2 system near/5 multiple** or **plurality** or **many near/5 active** or **conc**

Sort results by publication date
Display results expanded form

Save results to a B
Search Tips
Open results in a ne

Results 41 - 60 of 200
Best 200 shown

Result page: previous 1 2 **3** 4

41 Dynamic analysis of security protocols
Alec Yasinsac
February 2001 **Proceedings of the 2000 workshop on New security paradigms**
Full text available: pdf(871.04 KB) Additional Information: full citation, references, citings, index terms

42 Coarse grain reconfigurable architecture (embedded tutorial)
Reiner Hartenstein
January 2001 **Proceedings of the 2001 conference on Asia South Pacific design automation**
Full text available: pdf(167.05 KB) Additional Information: full citation, abstract, ref

The paper gives a brief survey over a decade of R&D on coarse grain reconfigurable hardware and related compi

43 Process migration
September 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 3
Full text available: pdf(1.24 MB) Additional Info

Process migration is the act of transferring a process between two machines. It enables dynamic load distributio
increasing deployment of distributed systems in general, and distributed operating systems in particular, process

Keywords: distributed operating systems, distributed systems, load distribution, process migration

44 Cellular disco. resource management using virtual clusters on shared-memory multiprocessors
Kinshuk Govil, Dan Teodosiu, Yongqiang Huang, Mendel Rosenblum
August 2000 **ACM Transactions on Computer Systems (TOCS)**, Volume 18 Issue 3
Full text available: pdf(287.05 KB) Additional Info

Despite the fact that large-scale shared-memory multiprocessors have been commercially available for several y
recently proposed approach, called Disco, substantially reduces this development cost by using a virtual machin

Keywords: fault containment, resource managment, scalable multiprocessors, virtual machines